1   **In the Claims:**

2   1.   A process for providing High Availability applications in a Cluster environment

3   comprising:

4   establishing a first instance of a Package for an application on a first Node of a

5   Cluster;

6   establishing at least one second instance of the Package on at least one second

7   Node of the Cluster;

8   implementing the application on the first Node; and

9   transferring implementation of the application to the at least one second Node

10   when a fault is detected on the first Node;

11   wherein each instantiation of the Package contains sufficient information to implement

12   the application on any Node of the Cluster without requiring the first Node to fail-over

13   the application to at least one of the at least one second Node.

14   2.   The process of claim 1, wherein the application is a Cluster aware application.

15   3.   The process of claim 1, wherein the Package contains information necessary for

16   the application to be implemented on a Node of the Cluster.

17   4.   The process of claim 1, wherein the application is initially not Cluster aware and

18   the process further comprises generating a Cluster aware Package for the application.

19   5.   The process of claim 1, wherein the application further comprises a database

20   application.

21   6.   The process of claim 1, wherein the application further comprises a volume

22   management service.

23   7.   The process of claim 1, wherein the Package is loaded onto every Node of the

24   Cluster.

25   8.   The process of claim 1, wherein the Package is loaded on to less than every Node

26   of the Cluster.

27   9.   The process of claim 8, wherein a determination as to which Nodes of a Cluster on

28   which to load the Package is based upon a consideration to balance a load across at least

29   two Nodes on the Cluster.

30   10.   The process of claim 1, wherein the fault condition is detected for the application

31   on the first Node by a Cluster management system.

32   11.   The process of claim 10, wherein addition to monitoring the first Node for the

33   fault, the Cluster management system also balances a load across the Cluster by

1 transferring applications to be performed by the Cluster between the first Node and the at

2 least one second Node.

3 12.   The process of claim 11, wherein the process of transferring implementation

4 responsibility occurs without requiring the first Node to fail-over the application to any of

5 the at least one additional Node.

6 13.   A system utilized to provide High Availability to an application comprising:

7   a first Node containing a Package, the Package providing information utilized to

8 implement an application on a Cluster;

9   at least one second Node containing a second instantiation of the Package; and

10   a Cluster management system utilized to monitor the operation of the application

11 on the first Node;

12   whereupon detecting a fault condition in the implementation of the application on

13 the first Node, the Cluster management system transfers implementation of the

14 application to the at least one second Node,

15   wherein the at least one second Node utilizing the second instantiation of the

16 Package to implement the application, and

17   wherein the transfer of the application from the first Node to the at least one

18 second Node occurs without the application having to fail-over.

19 14.   The system of claim 13, wherein the application further comprises a database

20 application.

21 15.   The system of claim 13, wherein the application is Cluster aware.

22 16.   The system of claim 13, wherein an instantiation of the Package is instantiated on

23 every Node of the Cluster.

24 17.   The system of claim 13, wherein an instantiation of the Package is provided on

25 less than every Node of the Cluster.

26 18.   The system of claim 17, wherein a determination as to which Node of the Nodes

27 on a Cluster are to receive an instantiation of the Package is based upon a load balancing

28 factor.

29 19.   A computer readable medium containing instructions to transfer an application

30 from a first Node on a Cluster to a second Node on the Cluster, wherein both the first

31 Node and the second Node include instantiations of a Package containing information

32 utilized to implement the application, by:

33   establishing a first instance of the Package for the application on the first Node of

34 the Cluster;

1   establishing at least one second instance of the Package on the second Node of the

2   Cluster;

3   implementing the application on the first Node; and

4   transferring implementation of the application to the second Node when a fault is

5   detected on the first Node;

6   wherein each instantiation of the Package contains sufficient information to

7   implement the application on any Node of the Cluster without requiring the first Node to

8   fail-over the application to the second Node.

9   20.   A computer readable medium containing instructions for implementing a process

10   for avoiding failing over of an application on a Cluster, by:

11   implementing an application on first Node of a Cluster, wherein the first Node and

12   at least one additional Node on the Cluster include a Package containing information

13   needed to implement the application on the Cluster; and

14   transferring implementation responsibility of the application from the first Node to

15   the at least one additional Node when a fault condition is detected for the application on

16   the first Node.